

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079613.D
 Acq On : 30 May 2015 20:10
 Operator : TP/IZ
 Sample : G2420-34
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.19(5)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.541	30	31	39	rBV	454210	989127	13.35%	1.394%
2	1.655	39	41	69	rVB	2887230	7410452	100.00%	10.447%
3	5.210	349	352	362	rBV	996234	1485420	20.04%	2.094%
4	6.536	465	468	476	rBV	1430377	1564252	21.11%	2.205%
5	6.650	476	478	481	rBV	1596370	1597165	21.55%	2.252%
6	6.936	501	503	506	rBV	391270	399763	5.39%	0.564%
7	7.119	516	519	522	rBV	1349039	1256488	16.96%	1.771%
8	7.633	562	564	567	rBV	971280	923184	12.46%	1.301%
9	8.513	638	641	642	rBV	583040	599528	8.09%	0.845%
10	8.536	642	643	646	rVB	822662	694289	9.37%	0.979%
11	9.393	716	718	721	rBV	392142	374949	5.06%	0.529%
12	9.519	726	729	731	rVB	224629	264547	3.57%	0.373%
13	9.862	757	759	761	rVB	1807125	1862534	25.13%	2.626%
14	9.976	767	769	773	rVB2	85888	103701	1.40%	0.146%
15	10.170	784	786	789	rBV	93360	150840	2.04%	0.213%
16	10.262	791	794	796	rVV	185978	216005	2.91%	0.305%
17	10.296	796	797	801	rVV	120808	101942	1.38%	0.144%
18	10.376	801	804	805	rVV	90598	134284	1.81%	0.189%
19	10.411	805	807	810	rVB	67831	127544	1.72%	0.180%
20	10.502	813	815	818	rBV	199775	208278	2.81%	0.294%
21	10.673	825	830	832	rBV	696478	726004	9.80%	1.023%
22	10.708	832	833	835	rVV	351863	455390	6.15%	0.642%
23	10.925	850	852	855	rBV	312828	463261	6.25%	0.653%
24	11.348	888	889	892	rVV	398226	554643	7.48%	0.782%
25	11.428	892	896	898	rVV	48700	142286	1.92%	0.201%
26	11.553	905	907	911	rVB	150223	177412	2.39%	0.250%
27	11.656	913	916	919	rVV	1265399	1400661	18.90%	1.975%
28	12.034	946	949	951	rBV	79223	122072	1.65%	0.172%
29	12.205	960	964	969	rBV4	70403	223842	3.02%	0.316%
30	12.274	969	970	973	rVB	262210	307795	4.15%	0.434%
31	12.342	973	976	977	rBV	88684	106096	1.43%	0.150%
32	12.376	977	979	981	rVB	262256	262961	3.55%	0.371%
33	12.514	988	991	992	rBV	544838	815573	11.01%	1.150%
34	12.548	992	994	996	rVB	3124835	4051170	54.67%	5.711%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.605	996	999	1001	rVB	764675	845943	11.42%	1.193%
36	12.651	1001	1003	1006	rVB2	77605	115470	1.56%	0.163%
37	12.822	1016	1018	1019	rBV	364518	474037	6.40%	0.668%
38	12.891	1023	1024	1026	rBV2	59780	101051	1.36%	0.142%
39	13.028	1033	1036	1038	rVB2	56524	106191	1.43%	0.150%
40	13.142	1043	1046	1047	rVV	368711	477902	6.45%	0.674%
41	13.177	1047	1049	1052	rVV	457743	620380	8.37%	0.875%
42	13.234	1052	1054	1055	rVV	145505	159144	2.15%	0.224%
43	13.268	1055	1057	1059	rVV	709662	895156	12.08%	1.262%
44	13.302	1059	1060	1063	rVB	304166	255620	3.45%	0.360%
45	13.519	1076	1079	1080	rVV	224102	360385	4.86%	0.508%
46	13.542	1080	1081	1084	rVB	455601	405531	5.47%	0.572%
47	13.828	1103	1106	1107	rBV	174776	259841	3.51%	0.366%
48	13.862	1107	1109	1111	rVV2	137364	209571	2.83%	0.295%
49	13.919	1113	1114	1120	rVV3	151402	280781	3.79%	0.396%
50	14.011	1120	1122	1124	rBV	2943135	3898161	52.60%	5.495%
51	14.091	1127	1129	1131	rBV2	107020	134268	1.81%	0.189%
52	14.125	1131	1132	1135	rVB	112990	138604	1.87%	0.195%
53	14.194	1135	1138	1140	rBV	236500	290247	3.92%	0.409%
54	14.285	1143	1146	1149	rVV	2587119	3864193	52.15%	5.448%
55	14.354	1149	1152	1158	rVB3	110104	266164	3.59%	0.375%
56	14.445	1158	1160	1162	rBV	165359	215899	2.91%	0.304%
57	14.502	1162	1165	1167	rBV	1857406	2164503	29.21%	3.051%
58	14.582	1167	1172	1173	rVV2	152104	325021	4.39%	0.458%
59	14.674	1177	1180	1181	rBV2	171526	272760	3.68%	0.385%
60	14.708	1181	1183	1185	rVB	389935	467659	6.31%	0.659%
61	14.788	1188	1190	1192	rVV	192479	210333	2.84%	0.297%
62	14.834	1192	1194	1199	rVV2	339063	550465	7.43%	0.776%
63	14.948	1202	1204	1205	rVV	115947	165789	2.24%	0.234%
64	14.982	1205	1207	1210	rVV	145319	190528	2.57%	0.269%
65	15.245	1222	1230	1232	rBV4	93096	353173	4.77%	0.498%
66	15.337	1237	1238	1242	rVV	274306	366631	4.95%	0.517%
67	15.474	1247	1250	1251	rVV	340109	428125	5.78%	0.604%
68	15.508	1251	1253	1256	rVV2	284644	552690	7.46%	0.779%
69	15.565	1256	1258	1260	rVV2	156702	258653	3.49%	0.365%
70	15.600	1260	1261	1264	rVB	321686	383185	5.17%	0.540%
71	15.680	1266	1268	1272	rVV	256328	464823	6.27%	0.655%

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72	15.782	1272	1277	1279	rVV2	1567330	3209358	43.31%	4.524%
73	15.817	1279	1280	1282	rVV	1380773	1579695	21.32%	2.227%
74	15.851	1282	1283	1285	rVV2	141983	168544	2.27%	0.238%
75	15.908	1286	1288	1290	rVV2	211203	289394	3.91%	0.408%
76	15.977	1290	1294	1295	rVV3	107213	210925	2.85%	0.297%
77	16.045	1298	1300	1302	rVV	196234	257855	3.48%	0.364%
78	16.091	1302	1304	1307	rVV	193501	282950	3.82%	0.399%
79	16.240	1314	1317	1318	rVV2	104285	164843	2.22%	0.232%
80	16.285	1318	1321	1323	rVV	276960	402303	5.43%	0.567%
81	16.331	1323	1325	1328	rVV2	102170	229728	3.10%	0.324%
82	16.400	1329	1331	1333	rVV	131543	192864	2.60%	0.272%
83	16.434	1333	1334	1338	rVV2	113841	275968	3.72%	0.389%
84	16.503	1338	1340	1342	rVV2	147808	237884	3.21%	0.335%
85	16.548	1342	1344	1347	rVB	84455	113791	1.54%	0.160%
86	16.891	1371	1374	1376	rBV2	117856	223164	3.01%	0.315%
87	17.074	1387	1390	1396	rBV	1313062	3023764	40.80%	4.263%
88	17.188	1399	1400	1402	rVB	255828	247421	3.34%	0.349%
89	17.280	1405	1408	1410	rBV3	88551	224403	3.03%	0.316%
90	17.394	1415	1418	1421	rVB	658254	941035	12.70%	1.327%
91	17.451	1421	1423	1426	rVB	1198855	1363788	18.40%	1.923%
92	17.508	1426	1428	1430	rBV	461045	711557	9.60%	1.003%
93	18.046	1473	1475	1477	rVB	164131	221692	2.99%	0.313%
94	18.148	1480	1484	1486	rVB2	768026	1287173	17.37%	1.815%
95	18.651	1525	1528	1531	rBV3	103759	247900	3.35%	0.349%
96	18.800	1538	1541	1546	rVB2	565077	1066184	14.39%	1.503%
97	18.960	1552	1555	1557	rBV	135616	282067	3.81%	0.398%
98	19.177	1571	1574	1582	rVB	460827	902189	12.17%	1.272%
99	19.383	1590	1592	1600	rVB2	110398	317263	4.28%	0.447%
100	21.086	1737	1741	1749	rVB2	144983	456321	6.16%	0.643%

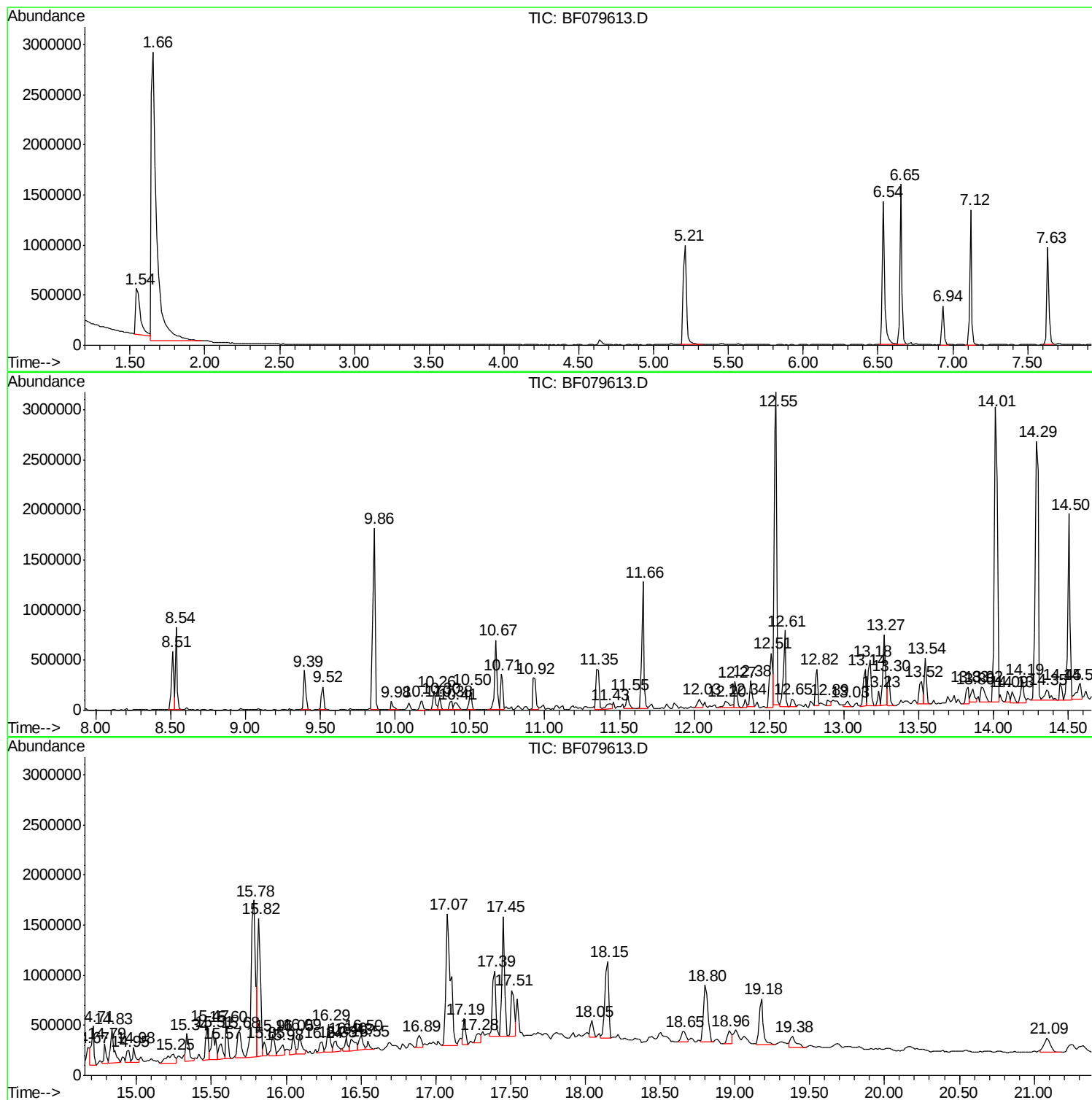
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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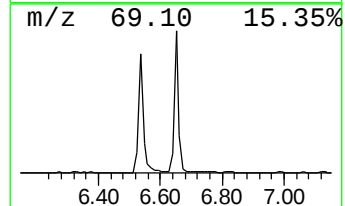
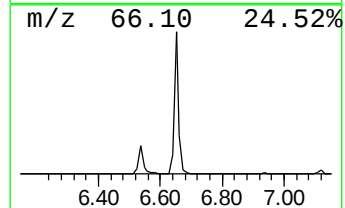
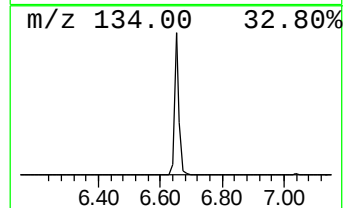
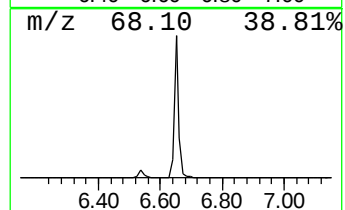
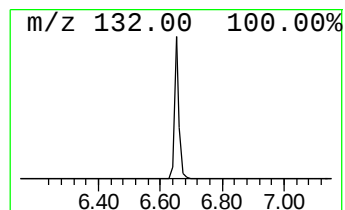
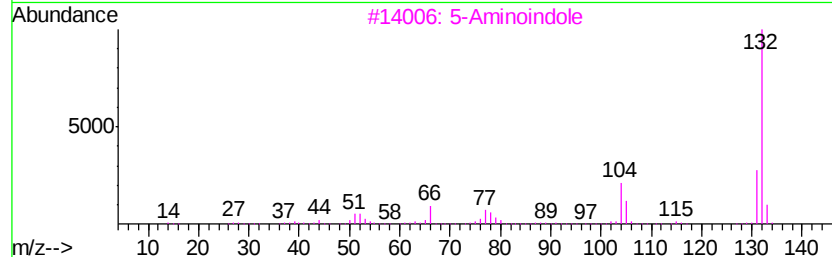
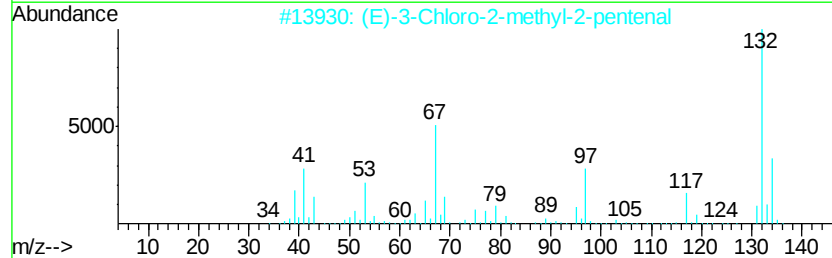
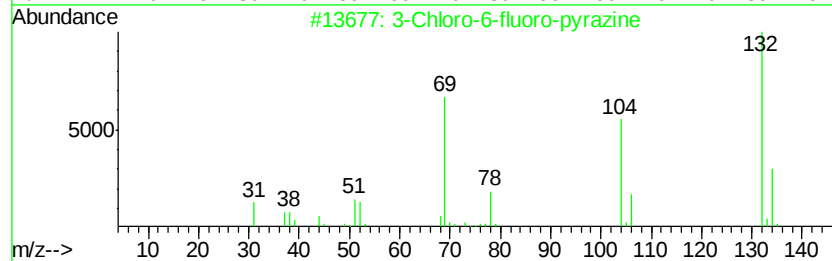
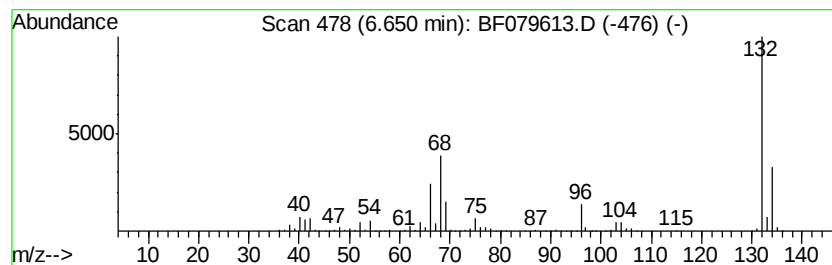
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	79.91 ng	1597170	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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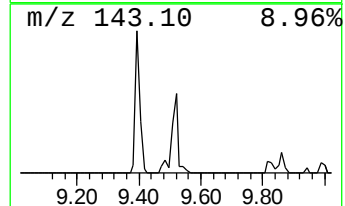
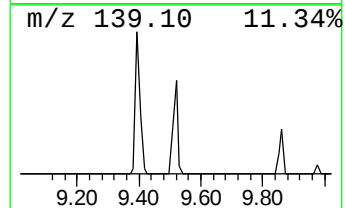
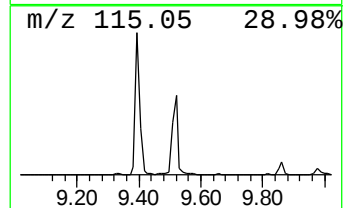
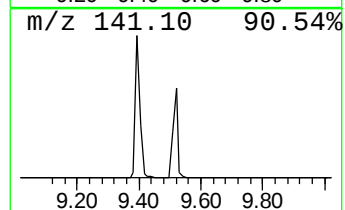
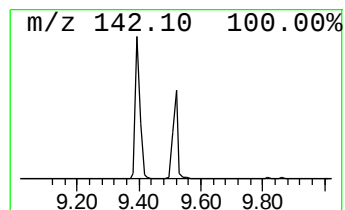
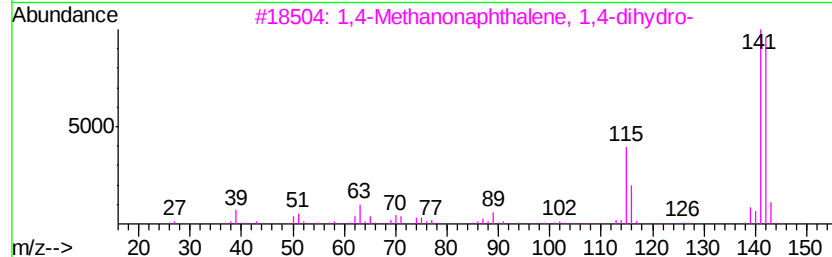
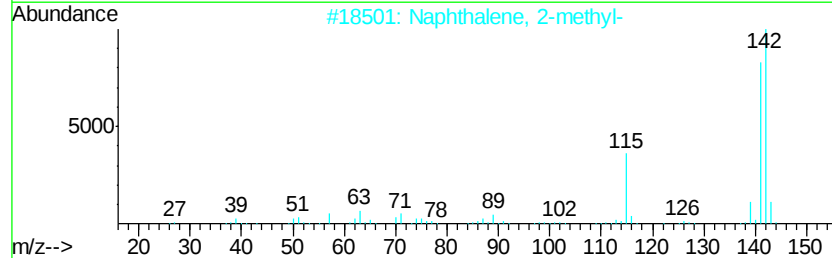
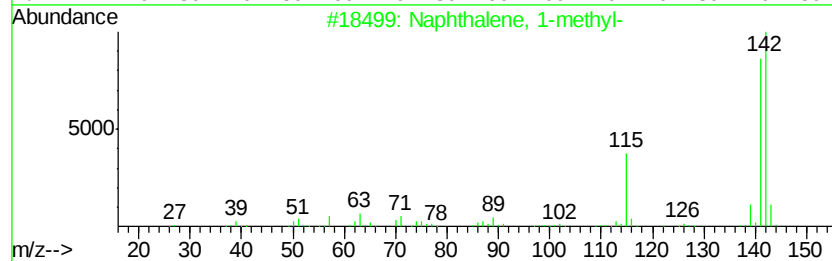
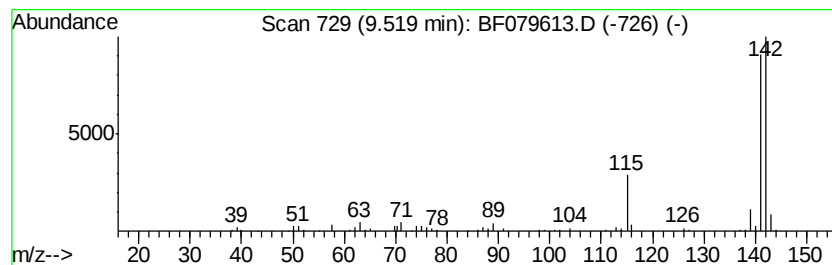
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	8.83 ng	264547	Naphthalene-d8	8.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59
5		Benzocycloheptatriene	142	C11H10	000264-09-5	59



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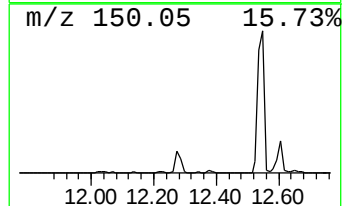
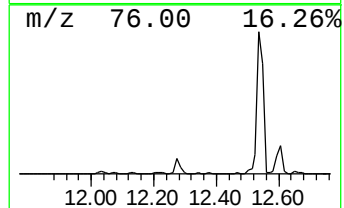
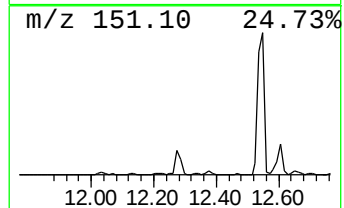
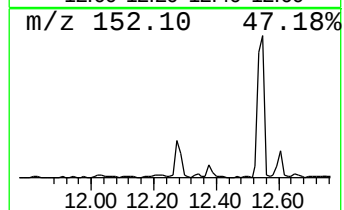
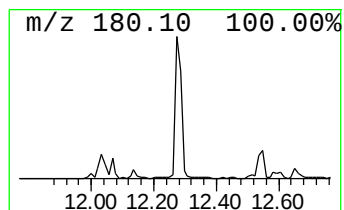
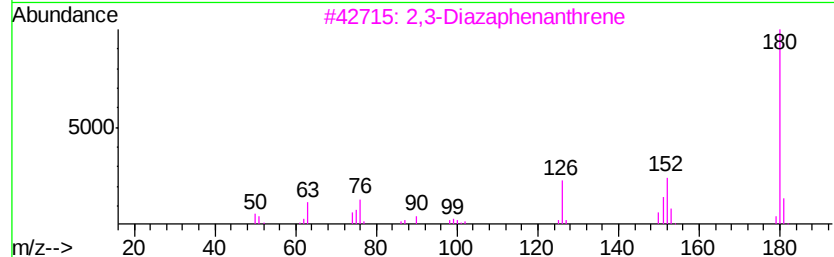
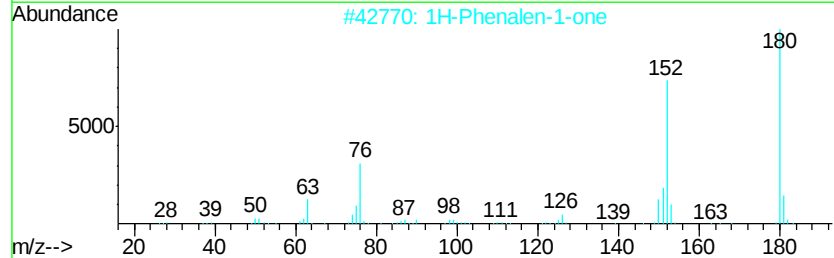
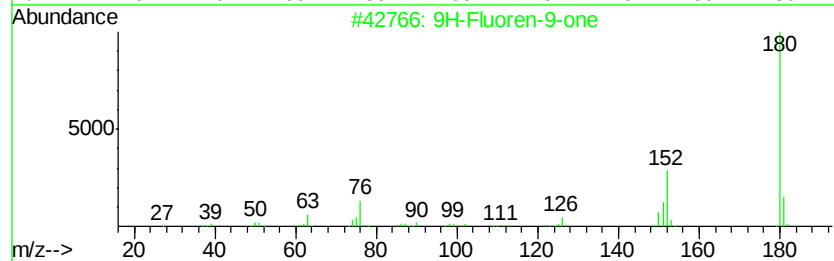
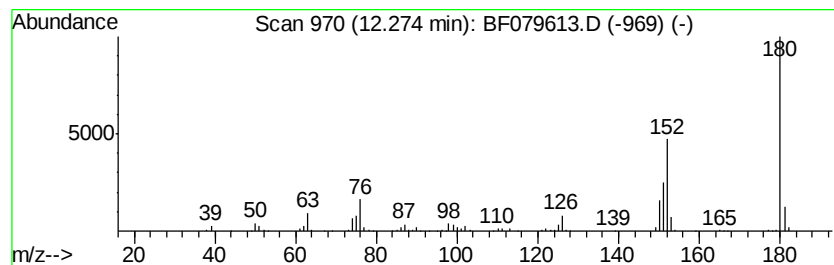
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.27	7.55 ng	307795	Phenanthrene-d10		12.51
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	58
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1,7-Phenanthroline	180	C12H8N2	000230-46-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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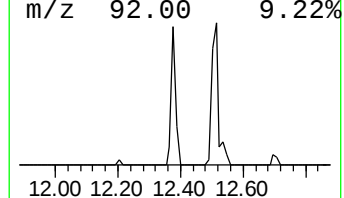
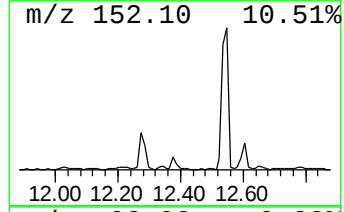
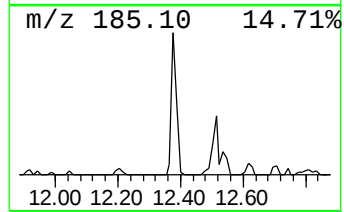
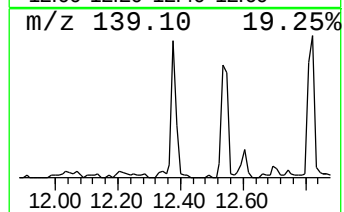
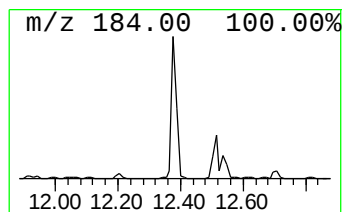
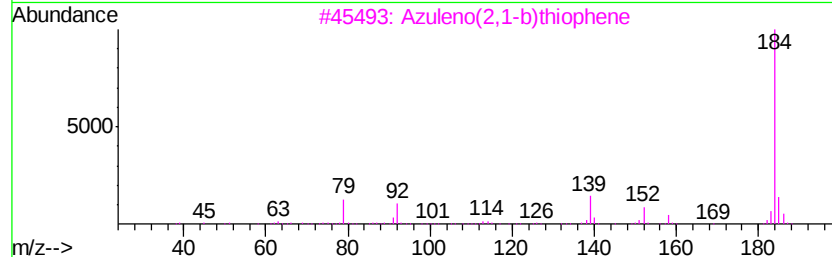
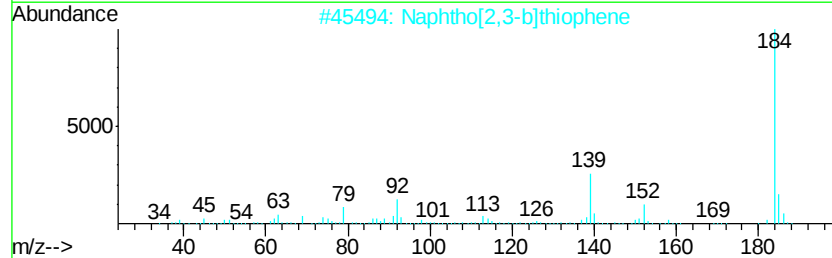
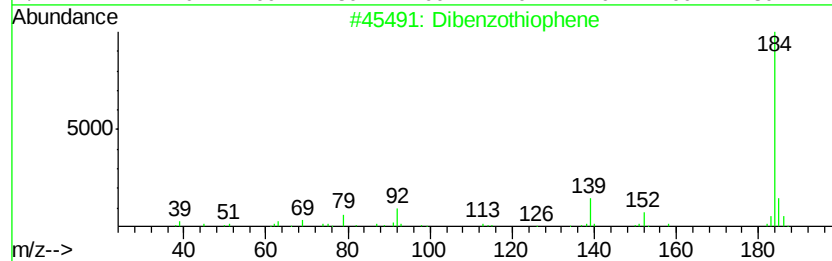
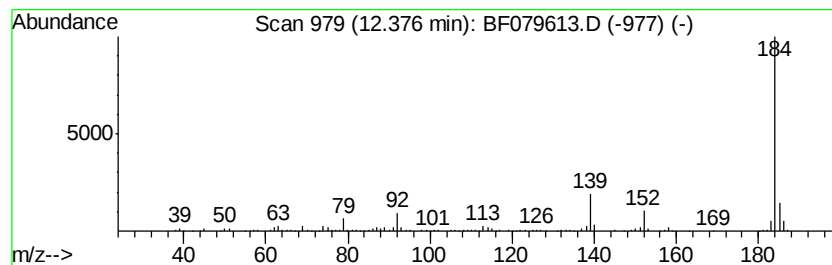
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	6.45 ng	262961	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4		2-Dibenzofuranol	184	C12H8O2	000086-77-1	52
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
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ClientSampleId :
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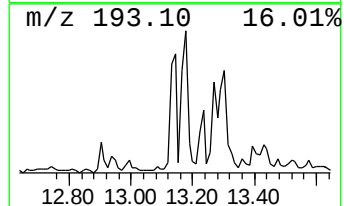
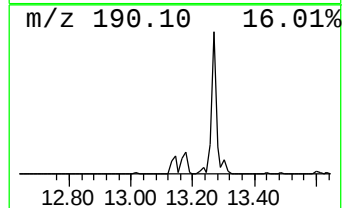
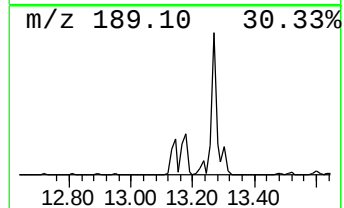
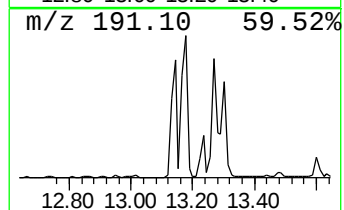
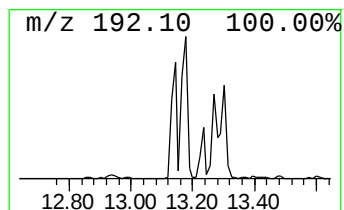
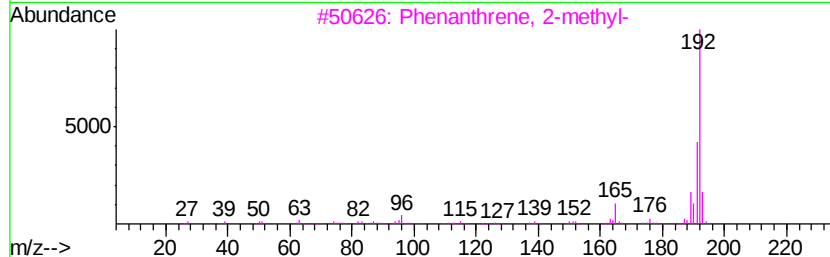
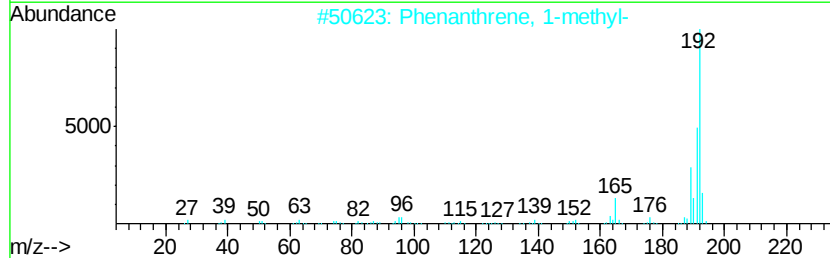
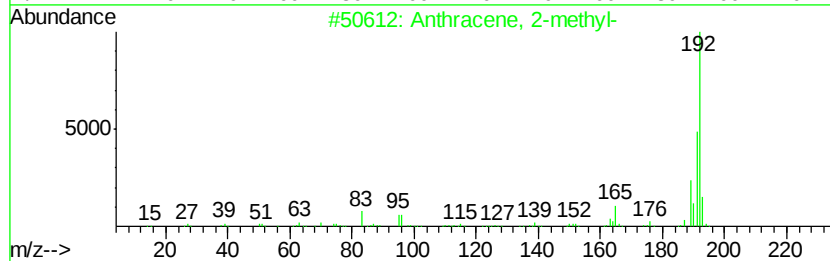
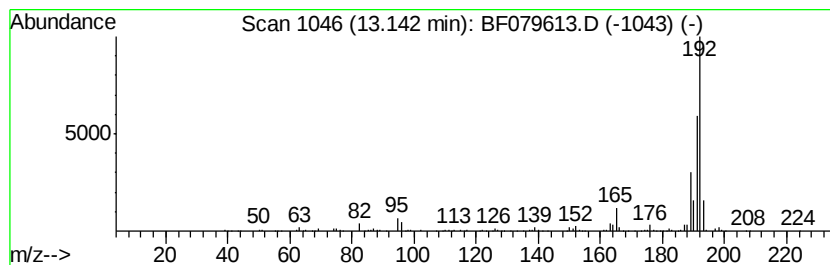
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	11.72 ng	477902	Phenanthrene-d10	12.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
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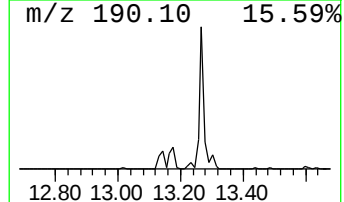
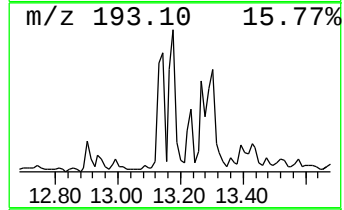
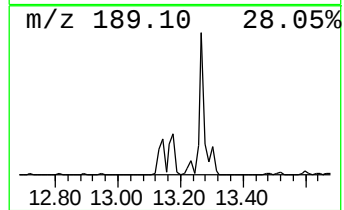
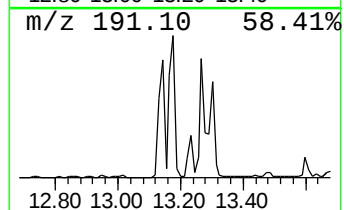
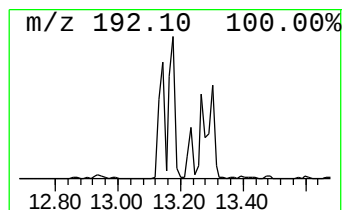
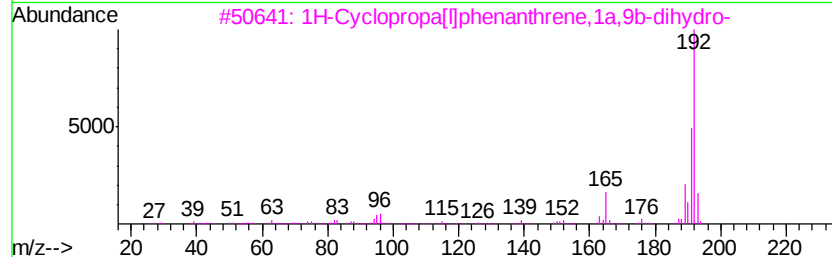
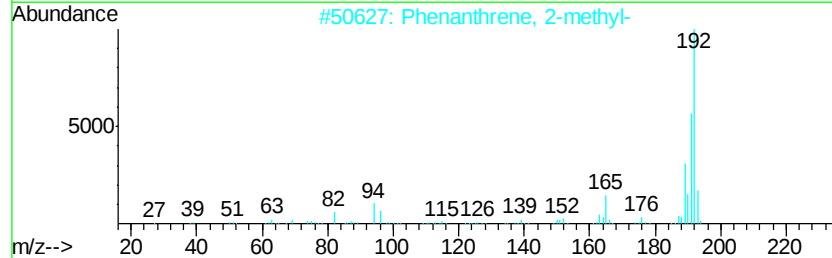
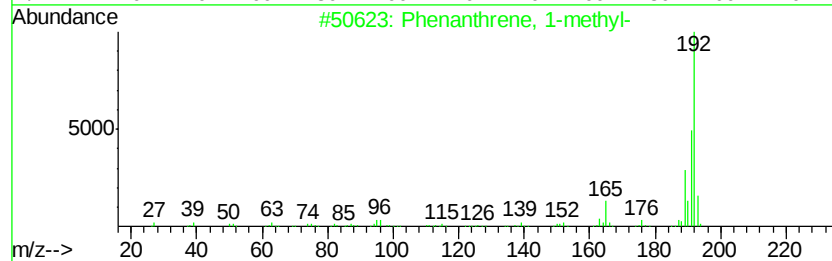
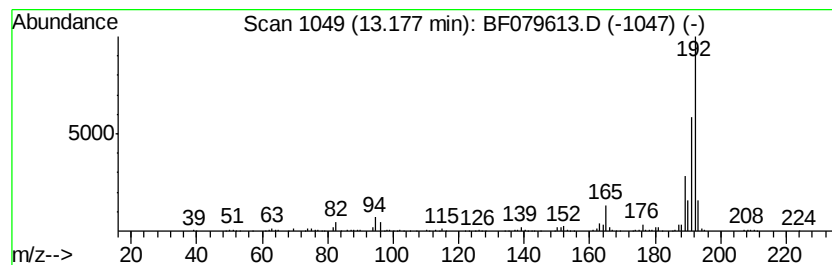
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.18	15.21 ng	620380	Phenanthrene-d10	12.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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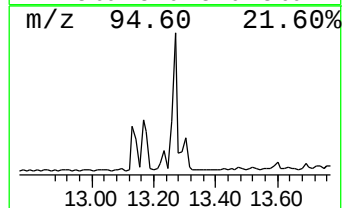
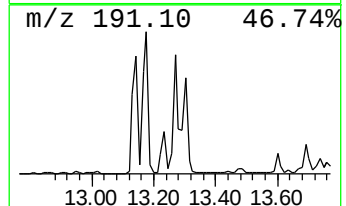
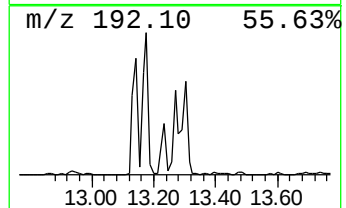
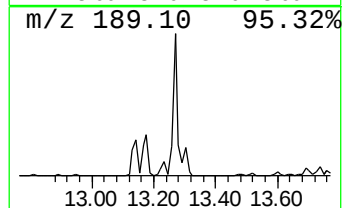
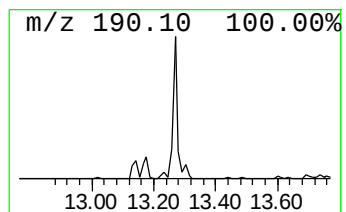
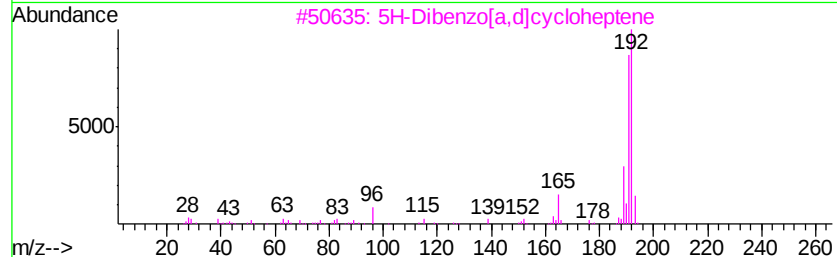
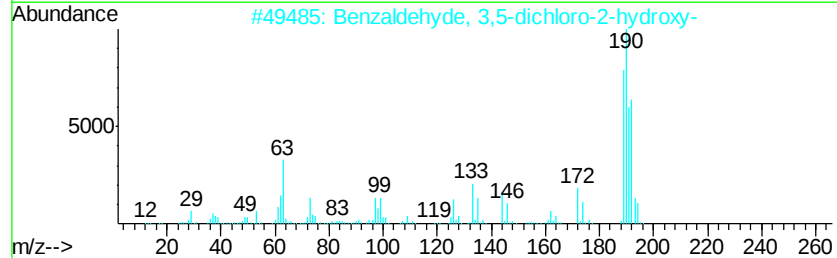
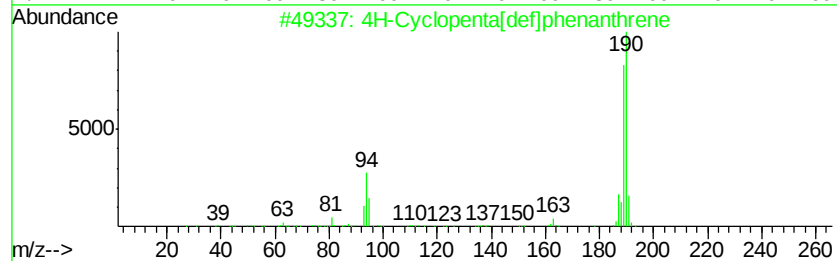
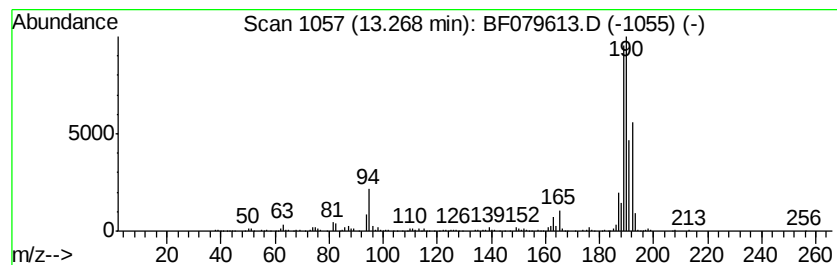
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	21.95 ng	895156	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
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Misc :
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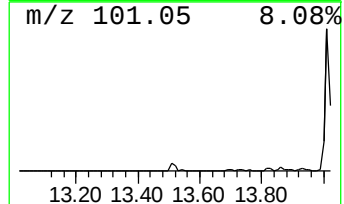
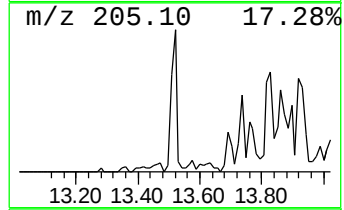
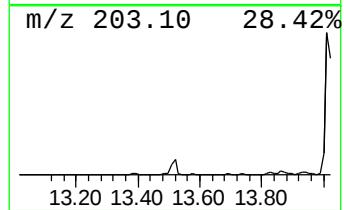
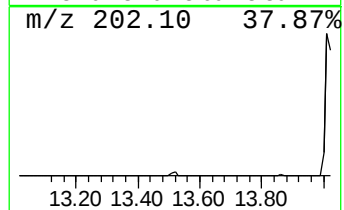
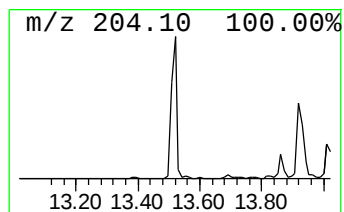
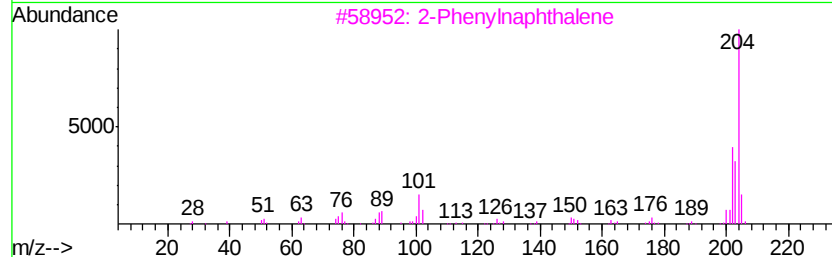
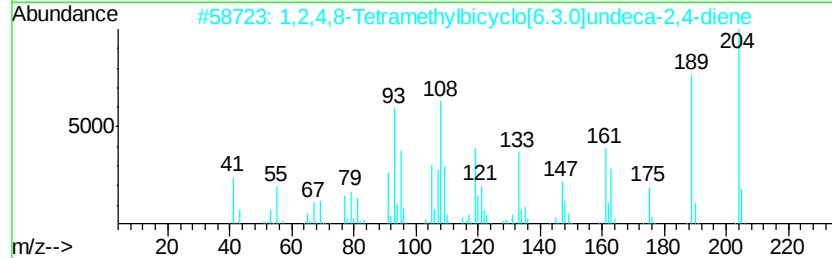
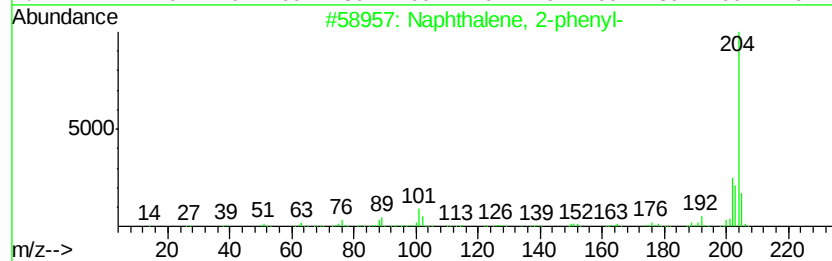
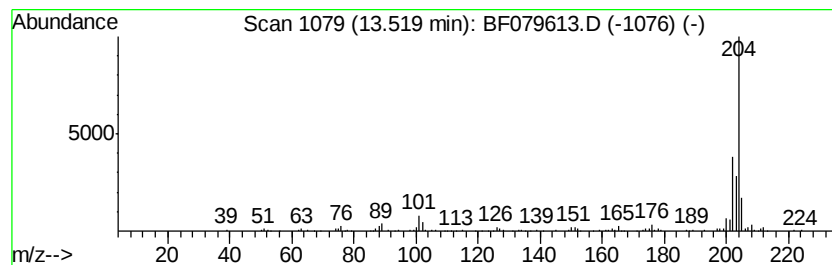
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	8.84 ng	360385	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	90
3		2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
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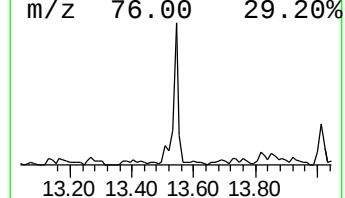
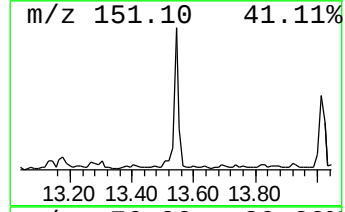
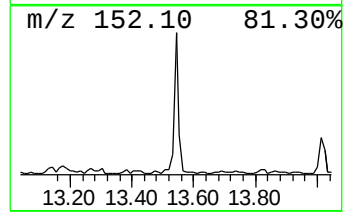
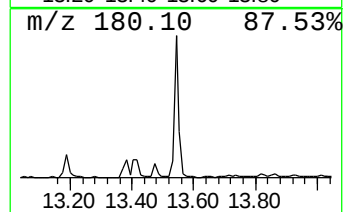
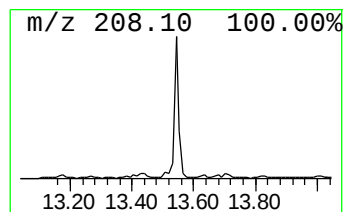
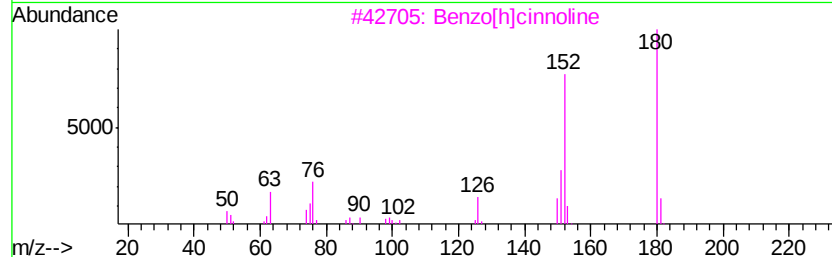
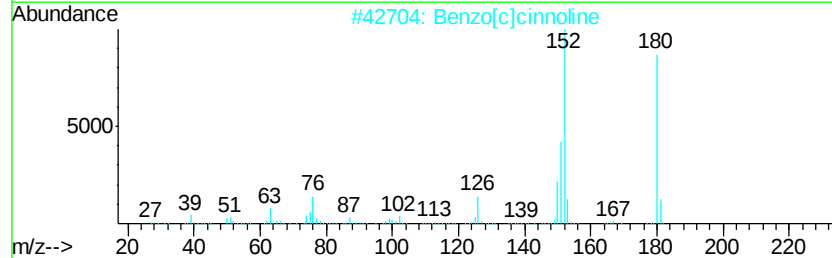
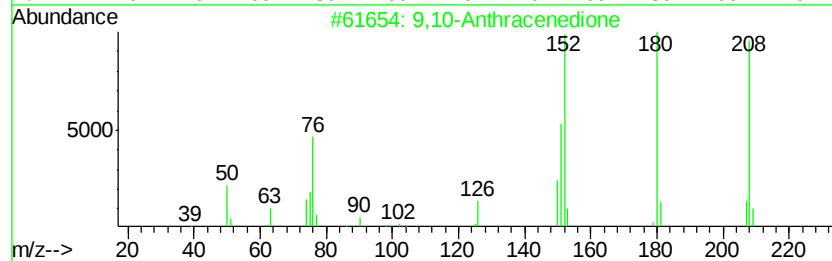
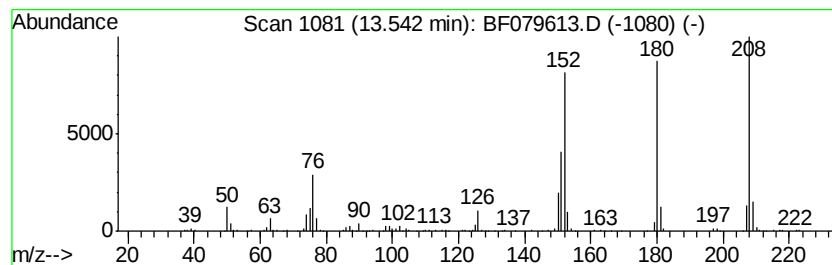
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	9.94 ng	405531	Phenanthrene-d10	12.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
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ClientSampleId :
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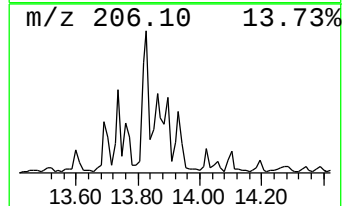
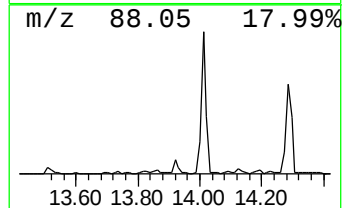
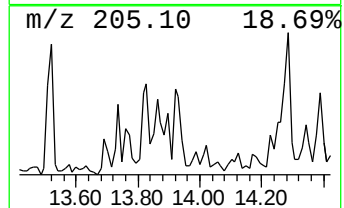
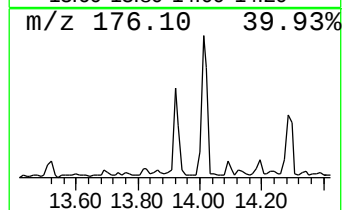
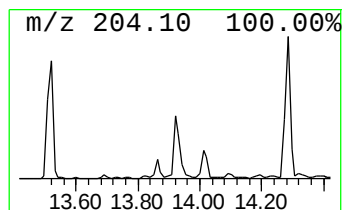
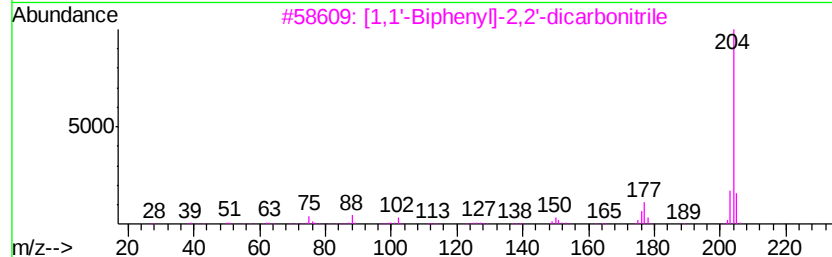
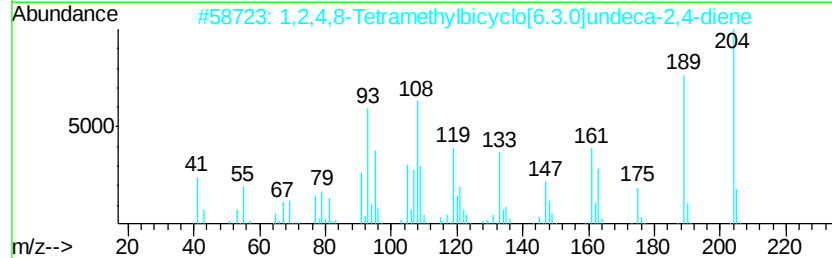
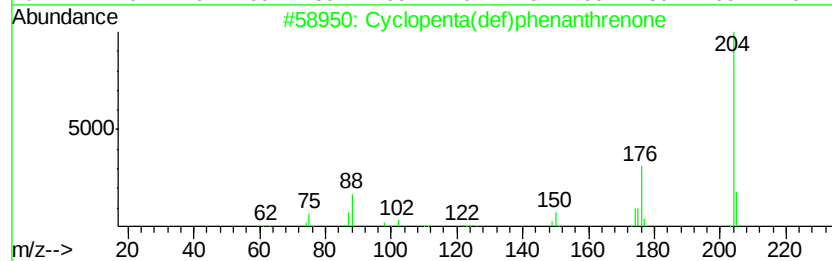
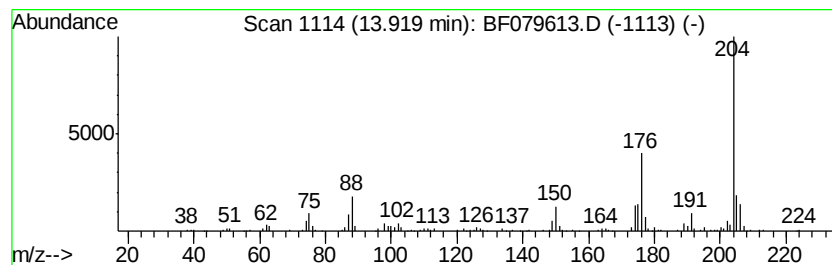
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	6.89 ng	280781	Phenanthrene-d10	12.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

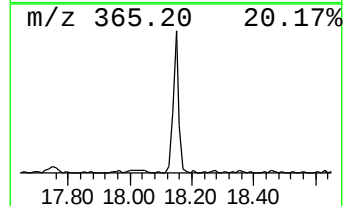
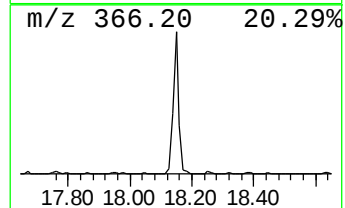
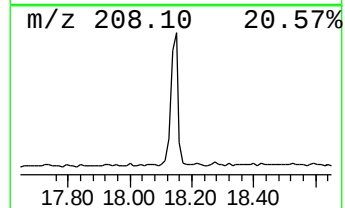
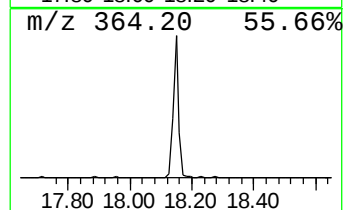
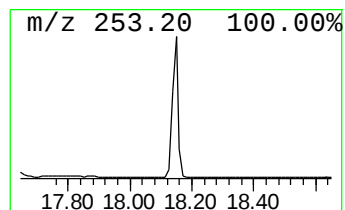
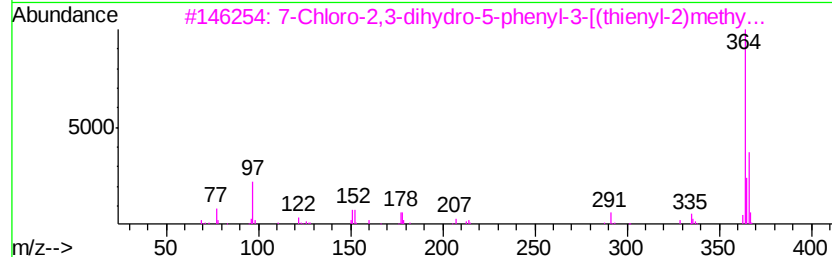
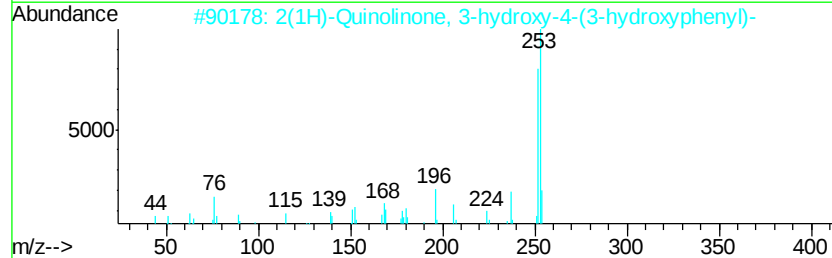
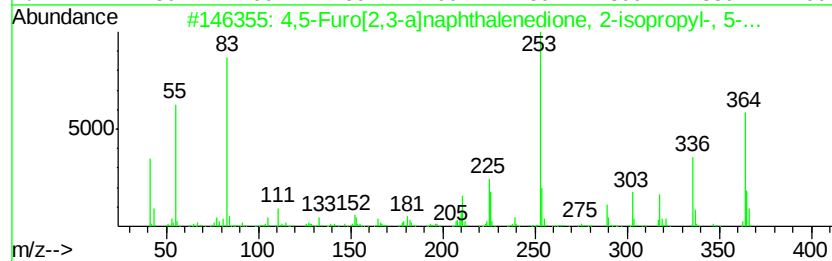
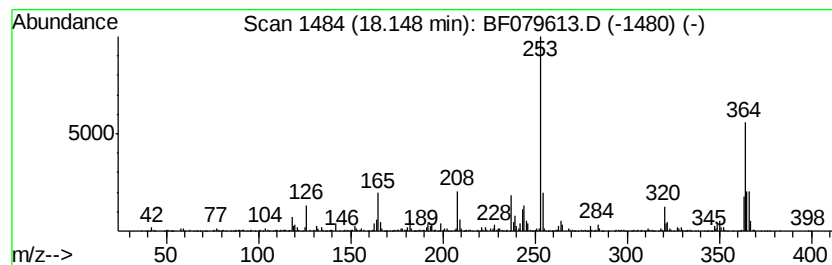
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 unknown18.15 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	36.18 ng	1287170	Perylene-d12	17.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Furo[2,3-a]naphthalenedione,...	364	C22H24N2O3	1000257-13-2	42
2		2(1H)-Quinolinone, 3-hydroxy-4-(...	253	C15H11N03	014484-44-7	25
3		7-Chloro-2,3-dihydro-5-phenyl-3-...	364	C20H13ClN2OS	055056-39-8	14
4		2-Chloro-9,10-diphenylanthracene	364	C26H17Cl	043217-28-3	14
5		1H-Inden-5-ol, 2,3-dihydro-3-(4-...	268	C18H20O2	010527-11-4	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

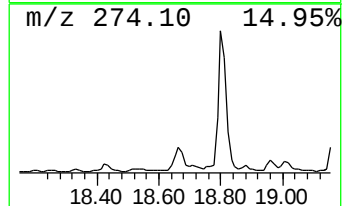
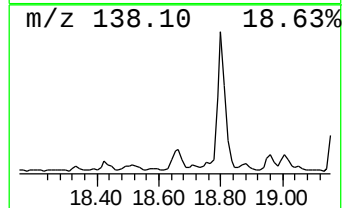
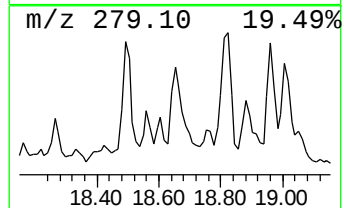
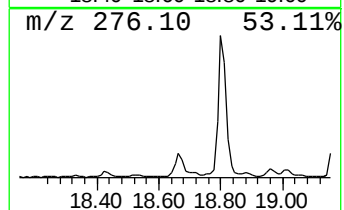
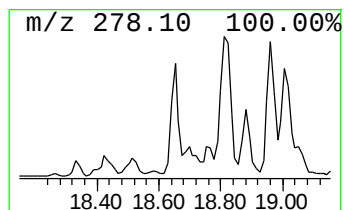
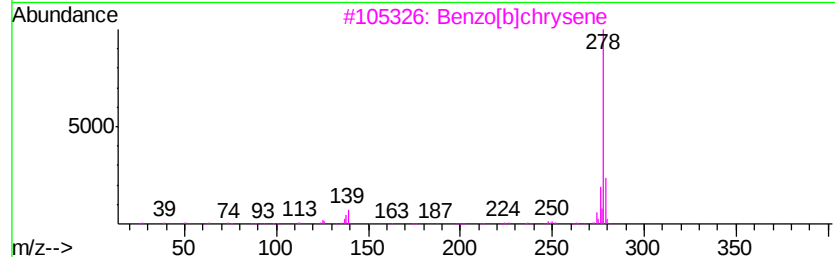
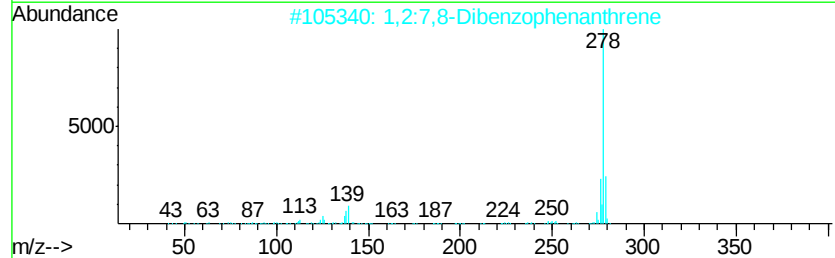
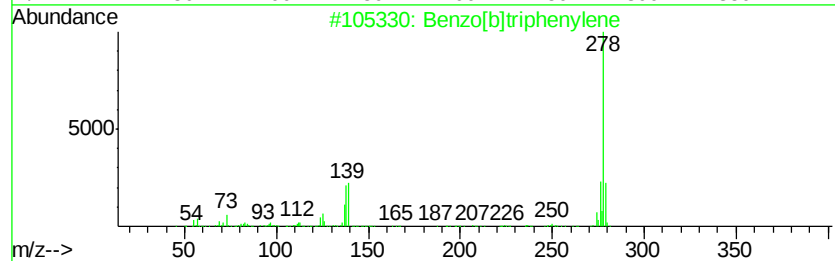
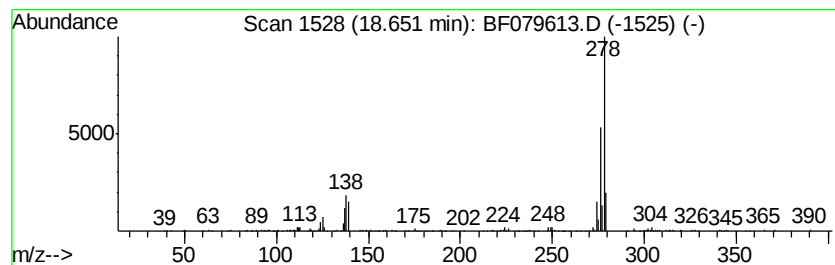
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	6.97 ng	247900	Perylene-d12	17.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
3		Benzo[b]chrysene	278	C22H14	000214-17-5	60
4		Pentaphene	278	C22H14	000222-93-5	58
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079613.D
Acq On : 30 May 2015 20:10
Operator : TP/IZ
Sample : G2420-34
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PENRD8.19(5)

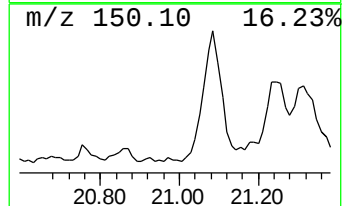
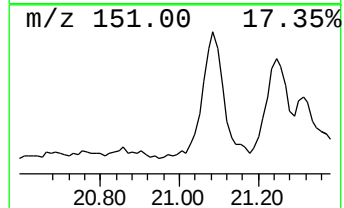
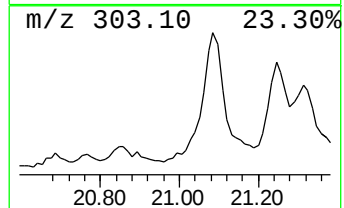
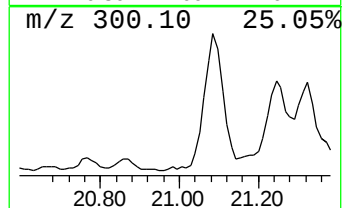
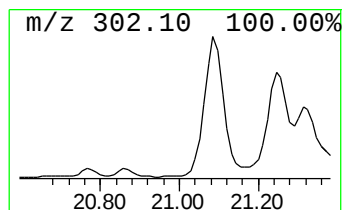
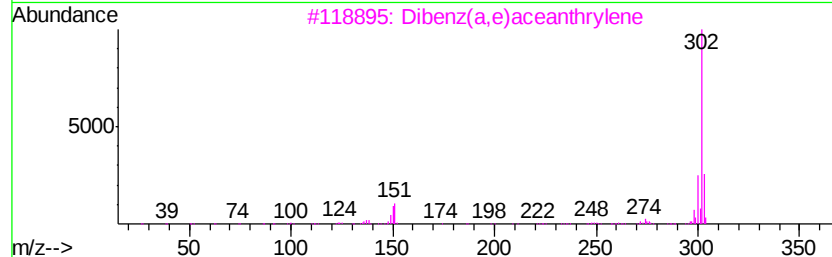
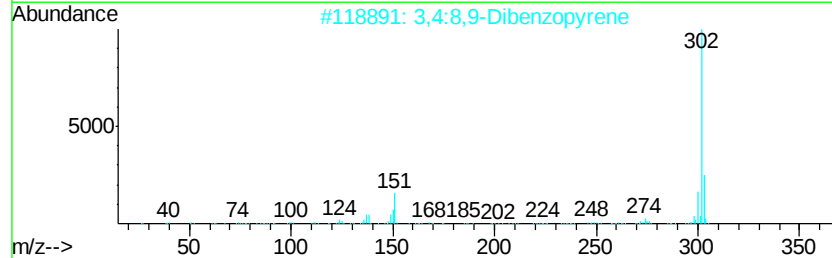
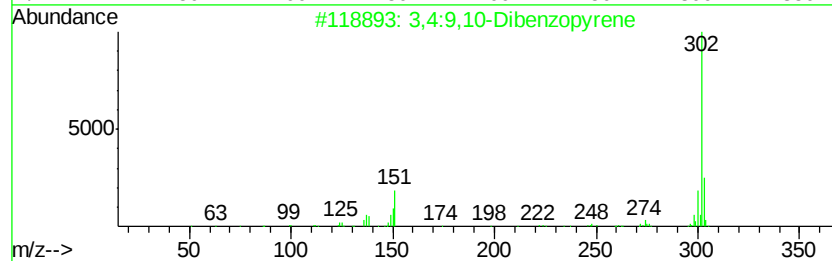
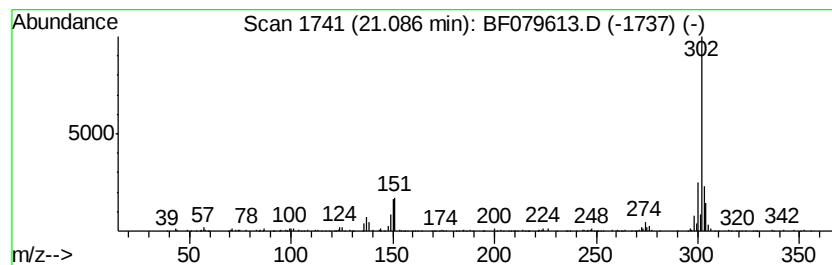
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	12.83 ng	456321	Perylene-d12	17.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	96
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079613.D
 Acq On : 30 May 2015 20:10
 Operator : TP/IZ
 Sample : G2420-34
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.19(5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.65	6.65	79.9	ng	1597170	1	6.94	399763	20.0
Naphthalene, 1-me...	9.52	8.8	ng	264547	2	8.51	599528	20.0
9H-Fluoren-9-one	12.27	7.5	ng	307795	4	12.51	815573	20.0
Dibenzothiophene	12.38	6.5	ng	262961	4	12.51	815573	20.0
Anthracene, 2-met...	13.14	11.7	ng	477902	4	12.51	815573	20.0
Phenanthrene, 1-m...	13.18	15.2	ng	620380	4	12.51	815573	20.0
4H-Cyclopenta[def...	13.27	21.9	ng	895156	4	12.51	815573	20.0
Naphthalene, 2-ph...	13.52	8.8	ng	360385	4	12.51	815573	20.0
9,10-Anthracenedione	13.54	9.9	ng	405531	4	12.51	815573	20.0
Cyclopenta(def)ph...	13.92	6.9	ng	280781	4	12.51	815573	20.0
unknown18.15	18.15	36.2	ng	1287170	6	17.51	711557	20.0
Benzo[b]triphenylene	18.65	7.0	ng	247900	6	17.51	711557	20.0
3,4:9,10-Dibenzop...	21.09	12.8	ng	456321	6	17.51	711557	20.0